

MATH 2730 Sec. 510

Multivariable Calculus - Fall 2021

Instructor: Steven Widmer

Office: GAB 423B

Email: steven.widmer@unt.edu

Email is the best way to contact me. While I try to reply as soon as possible to all emails, please allow two (2) business days before expecting a response.

Office Hours: MWF 10:30am - 11:30am, 2pm - 3pm; and other times by appointment.

All office hours will be held in my office and through Zoom, using the meeting ID: 229 534 1011. Basically, I will be running Zoom while in my office. I will have availability at other times, so please send me an email to set up an appointment outside of office hour times. Office hours are for help with specific problems or for answering questions about the course, they are **NOT** for teaching the course material.

Final Exam: Thursday, December 9, 2021

<http://registrar.unt.edu/exams/final-exam-schedule/fall>

Textbook and WebAssign: The textbook is Stewart, James, *Calculus*, 8th Edition, Cengage Learning (2016). It is available online through the WebAssign platform.

A Webassign access code is also required. WebAssign is an online course delivery platform. Students will enroll in and access WebAssign through the link in Canvas on the Modules page of the course. WebAssign access includes all online homework assignments, the e-text of Calculus 8th Edition, by James Stewart, and additional learning resources. Use the link in Canvas to register immediately. You must register in WebAssign by the 2nd class day of the semester.

You may use the no-cost temporary 14-day access, however you must purchase your access before the temporary access expires. If you do not purchase WebAssign by the end of the trial period, you may lose credit for all work previously completed.

Course Description : (3 hours) Vectors and analytic geometry in 3-space; partial and directional derivatives; extrema; double and triple integrals and applications; cylindrical and spherical coordinates.

Prerequisites: MATH 1720

Grade Policy:

| | |
|-----------------------------------|-----|
| Exam Average | 40% |
| Online Homework (WebAssign) | 15% |
| Written Homework | 5% |
| Section Mastery | 5% |
| Weekly Quizzes | 10% |
| Final Exam | 25% |

The grade distributions will be 90% - 100% is an A, 80% - less than 90% is a B, 70% - less than 80% is a C, 60% - less than 70% is a D, less than 60% is an F. **There will be no curves.**

Technology Requirements: Computer (Canvas, WebAssign, and LockDown Browser compatible) with webcam; internet access, high-speed for online exams with lockdown browser and monitor; scanner; printer; TI-84 calculator or equivalent; Adobe Acrobat Reader (free). A smartphone alone **is not** sufficient

Technical Skill Requirements: Navigate Canvas; navigate WebAssign; print documents (Word, Excel, PDF); post to a discussion board; create PDF; scan and upload PDF in Canvas; prepare computer for webcam testing, and access and complete online assignments.

Technical Support:

UIT Student Helpdesk: helpdesk@unt.edu; Phone: 940-565-2324; Office: Sage Hall 130
WebAssign Support: Call 800-955-8275

Tutoring Services: UNT Math Tutoring Lab is located in Sage Hall 130. See Math Tutor Lab Website for hours and services provided; The Learning Center (Learning Center Website) offers many resources, including online tutoring and academic coaching.

Netiquette: Familiarize yourself with Albion’s “The Core Rules of Netiquette” and adhere to the rules.

Exams: You will have four exams and a comprehensive final exam. Changes to exams dates and content will be announced on Canvas. The exams are administered online through Canvas with LockDown Browser and Respondus Monitor. Your lowest exam score will be replaced with your final exam score (provided the final exam score is greater). The tentative exam schedule is:

| | |
|---|----------|
| Exam 1 (Chapter 12) | Sept. 13 |
| Exam 2 (Chapter 13, 14.1, 14.2) | Oct. 11 |
| Exam 3 (Chapter 14, sections 3 through 8) | Nov. 1 |
| Exam 4 (Chapter 15) | Nov. 29 |

Do not open the exam unless you are prepared to work, and your technology is ready, and in working order. Extra time will not be granted to account for technical difficulties and work will not be accepted through email. You will have 80 minutes to complete your exam. Exams must be completed by 11:59pm on the day they are given; for example, starting the exam 5 minutes before it is due will only give you 5 minutes to work on the exam.

Make-up Policy: No make-up exams will be given for any reason. An exam may be taken prior to the scheduled date. You must request for this accommodation via email at least one week prior to day you wish to take the early exam. If you miss an exam you will receive a 0 for that exam and your final exam score will replace the 0.

WebAssign Online Homework: Your WebAssign homework is found on the WebAssign website (link provided on Canvas). NO LATE HOMEWORK will be accepted, regardless of reason. The online assignments will always be due at 11:59pm on the due date, not midnight. If the due times conflict with your other classes, work ahead. At the end of the term, your two (2) lowest WebAssign homework scores will be dropped.

Written Assignments: You will have several written assignments. These assignments require you to show, in your own handwriting, the mathematical process for the problems.

Submission Requirements:

- Must be completed in your own legible writing;
- Written Assignments should be project-level quality: well organized, written neatly, and mathematically correct;
- No credit for correct answers without correct work;
- Scanned as one PDF with a page scanned for each page of the project;
- Correct order, right side up;
- Submission must be one (1) PDF in Canvas.

A zero will be assigned to any submission that does not meet ALL of the submission requirements. No late homework will be accepted for any reason whatsoever. At the end of the term, your two (2) lowest written homework scores will be dropped.

Section Mastery Problems: Each section we cover will have a Section Mastery Problem. These are essentially one question quizzes. You must complete the section mastery problems in order, and before you take the weekly

quiz. You must answer the problem correctly before going onto the next section mastery problem, and all section mastery problems in a week must be completed before starting the weekly quiz.

Quizzes: Every weekly module will have a quiz over the material from that week. The weekly quizzes are due by 11:59 pm (CST) each Friday. The weekly quizzes will require using the lock-down browser and web-cam. All Section Mastery Problems from a week must be completed before taking the weekly quiz. There are no make-up quizzes. At the end of the semester, your two (2) lowest quiz scores will be dropped.

Late Submission Policy: All work must be submitted by the due date and late work will not be accepted for any reason. This includes online homework assignments, written homework assignments, section mastery problems, weekly quizzes, and exams.

Attendance: Attendance is important and required. In this class, this means working through the lecture notes with the aid of the instructional videos. It is assumed you will do this. The instructor will not repeat whole lectures or offer personal lessons in office hours or email. These venues are for specific questions / problems.

Academic Dishonesty: Cheating on exams or on quizzes is a serious breach of academic standards and will be punished severely and generally result in a student failing the course. All work done on exams and quizzes must represent only the student's own work, unless otherwise stated in the directions. See <https://policy.unt.edu/policy/06-003> for details on academic integrity at UNT.

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. You also may want to consider the UNT MathLab (SAGE 130). Information is available at: <https://learningcenter.unt.edu/math-lab>. Check the tutoring schedule link for times when help for this class is available.

Additional help can be found through the UNT Learning Center: <http://learningcenter.unt.edu/>, select the tutoring button located near the top of the page for different tutoring options.

Disability Accommodations: The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time, however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information, refer to the Office of Disability Access website at <https://studentaffairs.unt.edu/office-disability-access>. You may also contact ODA by phone at (940) 565-4323.

Math is not a spectator sport. You will not learn mathematics from watching your instructor or friends or a screen display ideas and solve problems. You must try the problems, finish problems, ask questions, make mistakes, correct mistakes, put concepts into your own words, and practice, practice, practice.

Note: This syllabus is subject to change as the instructor deems necessary. Any/all changes will be announced during regular class time. It is the responsibility of the student to attend each scheduled class to be informed of these changes.